

Fig. 1

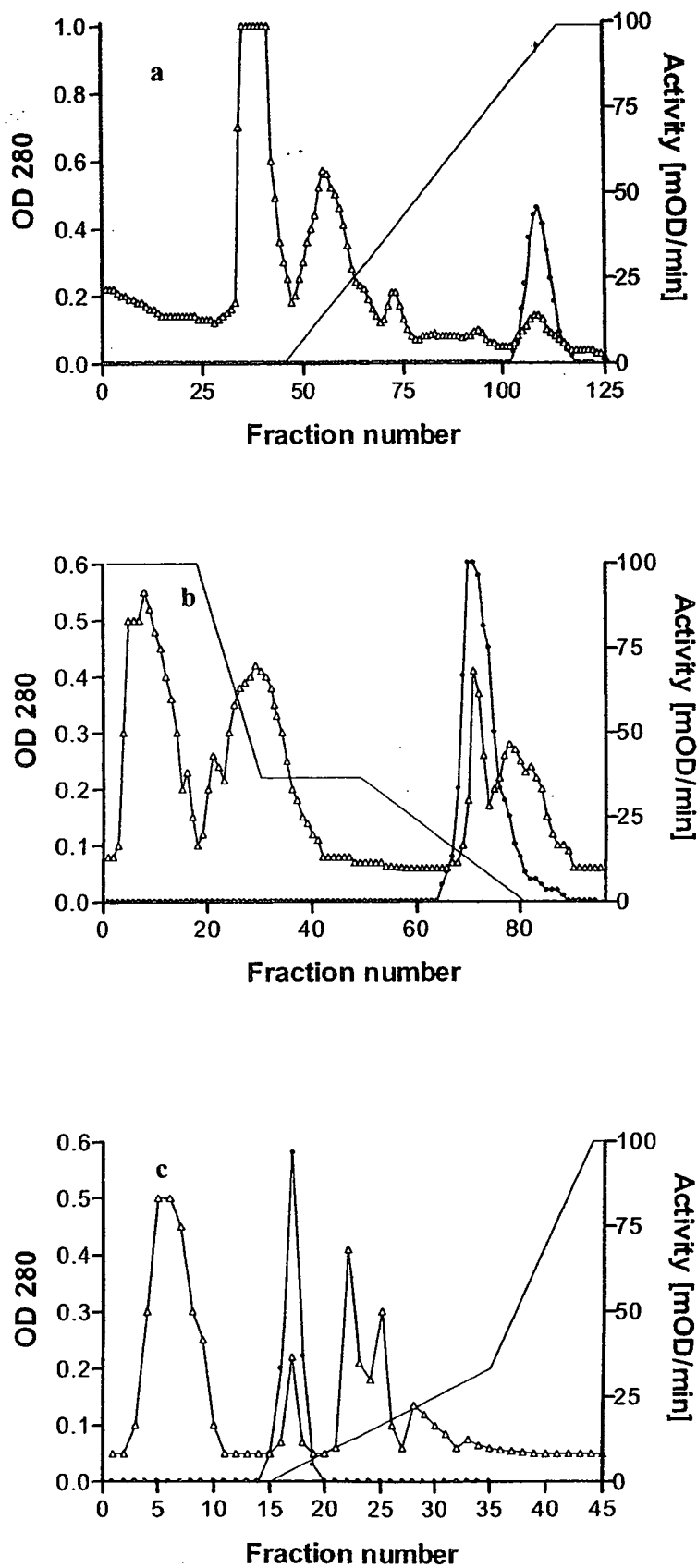
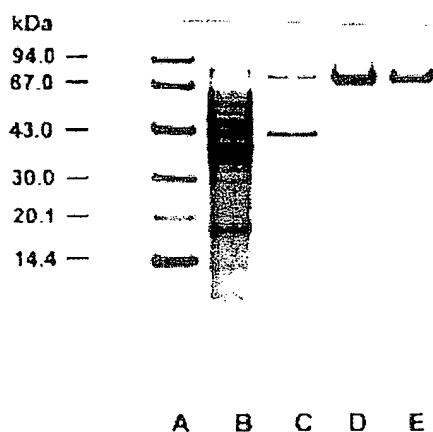


Fig. 2



10008355-10801

Fig. 3

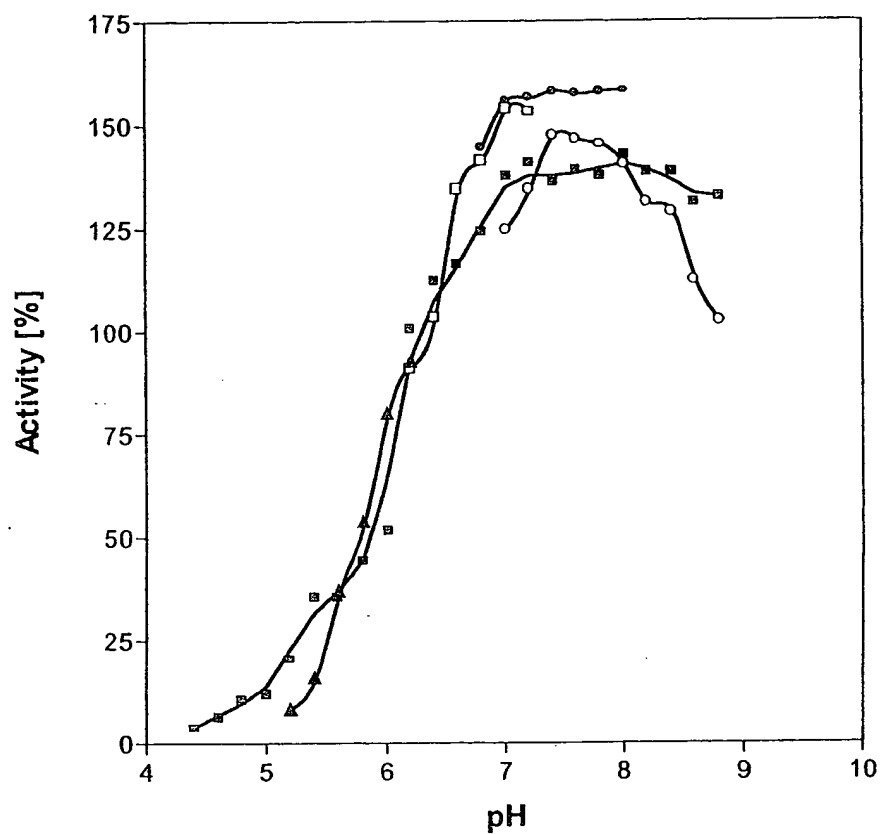


Fig. 4

SEQ ID NO: 1  
SEQ ID NO: 2

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M Q M K L K S I L L G A A L L L G A S G V A K A D K G M W L 30  
ctcaacgaactcaatcaggagaatctggatcgaatgcgtgagctcggctttacgctcccgttgattcgctctacagtttcgacaagccg 180  
L N E L N Q E N L D R M R E L G F T L P L D S L Y S F D K P 60  
tccattgccaatgccgtgggttatcttcgggtggcggtatgaccggtatcacagtgctcgatcagggcctgatctttaccaaccaccactgc 270  
S I A N A V V I F G G G C T G I T V S D Q G L I F T N H H C 90  
ggataccggtgctatccagagccaaagcacggtggatcacgactatctgcgcgatggtttcgtttctcgcacgatgggtgaggagcttccg 360  
G Y G A I Q S Q S T V D H D Y L R D G F V S R T M G E E L P 120  
attccgggtctttccgtgaagtatctgcgcaagatcgtgaaggtaacggacaaggtagaaggacagctcaaggggtatcactgacgagatg 450  
I P G L S V K Y L R K I V K V T D K V E G Q L K G I T D E M 150  
gagcgtctgcgcaagctcaggaggtatgccagaactggccaaaaaagaaatgcagacgagaaccaactctgcacgttagagcctttc 540  
E R L R K A Q E V C Q E L A K K E N A D E N Q L C I V E P F 180  
tattccaacaacgaataacttctcctcatcgtctacgatgtattcaaggacgttcgtatggtatttgcctctccagctctgtaggaagttc 630  
Y S N N E Y F L I V Y D V F K D V R M V F A P P S S V G K F 210  
ggaggcgataccgacaactggatgtggcgcgctcacacggcgacttcagcgtattccgctgtatgccgggtgccgacaaccggccggcc 720  
G G D T D N W M W P R H T G D F S V F R V Y A G A D N R P A 240  
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E Y S K D N K P Y K P V Y F A A V S M Q G Y K A D D Y A M T 270  
atcggtttcccgggcagtcaggatcgctacctcacttcttgggtgtggaagatcgatcgaaaacgagaacaatcctcgatcgaaagtt 900  
I G F P G S T D R Y L T S W G V E D R I E N E N N P R I E V 300  
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R G I K Q G I W K E A M S A D Q A T R I K Y A S K Y A Q S A 330  
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N Y W K N S I G M N R G L A R L D V I G R K R A E E R A F A 360  
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D W I R K N G K S A V Y G D V L S S L E K A Y K E G A K A N 390  
cgtgagatgacttatttgagcgagacgctcttcgggtggtaccgaggtggttcgttttgacagtttgccaacgcattggctacaaatcct 1260  
R E M T Y L S E T L F G G T E V V R F A Q F A N A L A T N P 420  
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D A H A G I L K S L D D K Y K D Y L P S L D R K V L P A M L 450  
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D I V R R R I P A D K L P D I F K N V I D K K F K G D T K K 480  
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Y A D F V F D K S V V P Y S D K F H A M L K S M D K E K F A 510  
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K A I E K D P A V E L S K S V I A A A R A I Q A D A M A N A 540  
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K Q D P K S D E F A V Q E N I L D L F R T K N Y G R Y A E N 630  
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G Q L H I A F L S N N D I T G G N S G S P V F D K N G R L I 660  
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G L A F D G N W E A M S G D I E F E P D L Q R T I S V D I R 690  
taegtctctctcatgattgacaaaagggtcagtgccccgctctcatccaagagctgaagttgatctaa 2139  
Y V L F M I D K W G Q C P R L I Q E L K L I \* 713

10008355-110801

Fig. 5

103011-5580001

SEQ ID NO: 3 DPP-7	644 TGGNSGSPVFDKNGRLIGLAFDGNWEAMSGDIEFPDLQRTISVDIRYVLFM695
	TGNSGSPVF++ +IG+ + G +G + ++ + +I + F
SEQ ID NO: 4 V-8	704 TGGNSGSPVFNEKNEVIGIHWGGVPNEFNCAVFINENVRNFLKQNIEDIHFA863

Fig. 6

108011-55830001

SEQ ID NO: 5 S1 1 MASQALGFLHONGINTMKWLTISVAAASFAASHADEGMOPHOP-AMADVTKAKGTEIDAKSISKTEHPMN--AVYST  
 SEQ ID NO: 6 S2 1 -----MRLAVALYLTGCTATADEGQWQYQYQ-SSADKISAREGIDIPADKIDLTSTYPMN--AVYGL  
 SEQ ID NO: 7 X 1 -----MRENTLSSTVLTITVDSTHAGEGMMYPOOLP-ELAGPLKQAGLOISPOLSNLIGDPYC--AVYST  
 SEQ ID NO: 8 P1 1 -----MOKKLSITLIGALHIGASGVAKADKGMVLTINQENIDRARELEFTPLDSTYSFDKPSIANAVYIEG  
 SEQ ID NO: 9 P2 1 -----MKRLHLPFAVLCLOLAHADEGMWQOLG-RKYAQMKERGLKKEYIDLINPNGTSLKDAVYVLT  
 S1 78 GCGTASVSPKGLVNTNHHCAVGSIQVNSTPEKNTLQDGEIAKTEDELPAAPGSRVYVTEDEVYVTERVKAAGLENGTG-  
 S2 62 GCTASVSPQGLVNTNHHCAVKAIOVNEKKEHNTLEQGLATSNDKEPSAGBNERTVATEAVTVDVTSQDPSODP--  
 X 66 GCTASVSPQGLVNTNHHCAVKAIOVNSTPKNTLKEGNALTCADVSAGBNRIVYVTEDEVYVTERVKAAGLENGTG-  
 P1 71 GCGTITVSDQGLITNHHCGVGAIOSSQTVPHDYLRDGEVSRVNG-ELPPIGLSVKYLRKIVKVTDKVEGOLKGTID-  
 P2 67 GCGTGEVSDRGLVLTNHHCGVDMIOAHSTLEHNTLENGEMWAMEA-DELPNKDISVVEIDKTEDEVYVTERVKAAGLENGTG-  
 S1 157 -----RELYQGVENOEKALVAECERDEGRQVYSEHGTEVTLVKOLETRDVRLVYNPAGSVGKKGEDYDNMMMPRHT  
 S2 140 -----LKRYEELIENHSHKALIKSCAADNYRONVRSHEHGLEKMLKQMLRIVRLVYAPPSVGGYGGEDIDNNEEYPRHS  
 X 146 -----PKRTTALETFSKQELAKCEEQGRQCFSEAGNTIRVKNLEIKDVRVYAPQGSVGGKFGEDYDNMMMPRHT  
 P1 149 -----EMERLRKAQEVCOELAKENADENOLCIVEPEYSNNEVELTVYDVKDVRVYAPPSVGGKFGEDIDNMMMPRHT  
 P2 146 NSMDYLSPKYLOKADKAKGNESAKNPELSVELKAYGENLYMTKTYTIDVRLVGCAPTSIGKFGADIDNMTMPRHT  
 S1 231 GDYSERAVYVSKNGKPAEFESADNVPYEPKSELKVSAGVSEGEVWVAGYVPGRTNRYRLATEVONEFEMVPEKQTLER  
 S2 214 GDFATLRAYVKGDKGPAFSEDNIPYTPKSYLKNADGWKAGDGVWVAGYVPGRTNRYRLATEVONEFEMVPEKQTLER  
 X 221 GDFSEYRAYVKGDKGPASFSEKNIPYRPHKYLKESDQPLGDEGVWVAGYVPGRTNRYRLATEVONEFEMVPEKQTLER  
 P1 224 GDFSEYRAYVAGADNRPAYSKDNKPKYVYVAVSMQYKADYVNTIGEPGSTDRYTSWGVEDRIENENNPRITVYGI  
 P2 226 GDFSEYRIYADKNGNPAPYSEDNMPKPKRFEENISLGVQENDVANTVGPGLIHRMFEASEVDEWKSIDNDIRIRMDI  
 S1 311 FIEIIFKATAPEGSDERIKYESQIAGLANYAKNTSMETFGKSTVMDRKNLEAKLAEMIAKDS---REAKYGTIAET  
 S2 294 QIDTIEAMGQDADIAIKVAGNMAAMRKNGELAGKATDYGIKQRENDIYAVLTKPN-----INQNLISEI  
 X 301 LIALIEAASKONPDIOYKVASTIAGLNTSKNEDGQDGERINAGQKQSEETAVLAVLKQGI---RGHEALAAHQTL  
 P1 304 KQGIWKEAMSAQOATRIKVASKVAQSANMYKNSIGANRGELARDVIGRKRAEERAFADVIRKNGKSAY---YGDVLSIE  
 P2 306 RQGMIREMLADPQIKIMYSACKVASQNAVYKRAIGANWAIKTRGLRONKQAMODRIWVGAKQGT-----RYEAVVHE  
 S1 388 DALIAKSKAHOERDMITSYISSITVMPPTANNLYRLAHEKOLPMQOREPEFQDRDYTRFKASVERIDRYPASVDKAVLTQ  
 S2 368 EVLLAEQOLQOTNYFTNAOSSITLITANNLYRLAKEKOKSDAEREIGYQERDPAFESSRLKRISSSDVKVDTWTQ  
 X 378 VDLTEQYKANODRDEVLQENGSGVIGVAVNLRLAERTKSDAQRAQYQERDPTIEGNLQKQERYLPEYDROQOY  
 P1 381 KAYKEGAKANRENTYSETLFGTEVRFACFANALATNPDAHAGILKSIDDKYDYLPSIDRKVLPAMDIVRRIPAD  
 P2 380 IDATVAKRADLRRYMYIEGIRGIEFARSPITDETKALQENDASRKEAIDKIRTRYSEANQOYSAEVDKKVAVA  
 S1 468 MLKRYALPEAQRLPAMDRAFGIDNKVNEAKAKTLDKMYAKTEIGNKQVRLAWMEKSVDDKASIKDPTIOEAVAMMDTN  
 S2 448 DIN--AYLSQPNRWALDNLNDKN--VSLAAKIDGLSYITLITDQORLAWMEADAKABETSSDPPIRLAVALKDTIN

108011-5580001

X 458 WLEKRLPVKORVAIDVWEDGIPAT-----L-KRLGDKLSSSEIRKWNDRAPAESGODAPIRVAVAPAL  
P1 461 KLPDIERNVIDKREKEDTKRYADFEVD--KS-----VVPYSDKTHAKLSKDKKPKAKAIKDPAYLSKSYLAA  
P2 460 MLEKRLKPIEYENPLHLRLMKDRFAG---DVQAYVDIDFARSVFGSQAQFDAPAVPSVEKLAEDVWLEASVADY  
S1 548 NSEKKEKELDCELMKRPQYMDNTALNLECKPYNADANSIRVYCHVKGSPKDCIYVPTRLKGVCKDNG-ID  
S2 524 NAOEAKKILAGKISTARPAVMAVIDYKANNWPYPDANCILRISYGVWDGYGSRDALKOPETRLDGLYAKHNG-VZ  
X 530 IETERONKIRTGELTKARPIVLCALADYKNSHCKEYVPDANSIRLITTECHVKGSPKDCIYVPTRLDGLYAKHNG-VZ  
P1 530 RAICADAMANAHAHEKGRLEAGLEBEMP--GRALPSIDANETMRMSYGLKGYEPDCAVNNYHHTGKGVLEKODPKSD  
P2 536 RQYVNEIRPYDDPILRAQRTYIAGLLEMDG--DQDQEPDANILTRRITGVGVKGYSPRDNVZAGHQUWLDGVLEKEDPDNV  
S1 627 PEDAPKQOLEHKKOKOYGDLYMKSDS-----VPVNTLSITDITGNSGSPITNGRABIVGILB  
S2 603 PYNAPKRLIDALISVOREGDHLVKSYYODPRGWI CRLFSCLDKPEEFNSVPVNTLSYDITGNSGSPVENGKELVGLNE  
X 609 PEDSPKSLINAIKAKSYANTADORIGT-----VPVNTLSIDITGNSGSPVLDAGKIVGLAB  
P1 608 EFAVOENITDIERKNGYGRVANGOLH-----LAF--LSNNDITGNSGSPVLDKNGRLIGLAB  
P2 614 EFAVDPKIKAVYERKDEGRVADRSGRMP-----VAFCAITHTTGENSGSPVANNANGELIGLNB  
S1 686 DGVYESITIGCMADNEINRSIHVDSRYMLVMVKYLDHNDNLAEHEIVN-  
S2 683 DSTYEATIKDWEENPTITRAVHADIRYILMMNDEVDHADNLTIKELDIWRN  
X 668 DGNWESVSNNWEDPVMTERTIANDSRVYQWIMTEYAPAPHLIKELNLYR-  
P1 665 DGNWEAMSGDIEIEEPDLQRTISVDIRYVLEFMDIKW-----  
P2 672 DRNWEVGVGDIOYIADYQRSIIVDIRYVLLVIDKVGCCORLIDEMNIVP-